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December 28th, 1959

COCOM Document No. 3715.58/2 B  
Revised

COORDINATING COMMITTEE

RECORD OF DISCUSSION

ON

ITEM 1558 - VALVES (TUBES) ELECTRONIC

December 18th, 1959

Present: Belgium (Luxembourg), Canada, France, Germany, Italy, Japan, Netherlands, United Kingdom, United States.

References: COCOM Documents Nos. 3700.2 and .5, 3715.58/1 and Corrigendum, W.P.1558/1 and 2.

All Delegations having confirmed their agreement, previously given ad referendum, to the new definition of Item 1558 as set out in COCOM Document No. 3715.NI 2/1, the COMMITTEE agreed to amend this item as follows:

"Valves (tubes) electronic, and specialised parts, as follows:

- (a) Valves designed for use at frequencies between 300 megacycles per second and 500 megacycles per second having a plate dissipation in excess of 10 Watts under any conditions of cooling and all valves designed for use at frequencies in excess of 500 megacycles per second;
- (b) Indirectly heated valves of a kind that can be passed through a circular hole 7.2 mm. in diameter;
- (c) (1) Those designed to withstand sinusoidal vibration at peak accelerations greater than 5 g for a total period in excess of 100 hours at any one frequency between 25 and 170 cycles per second.  
(2) Those designed to withstand swept frequency sinusoidal vibrations between 60 and 1,000 cycles per second, with a minimum swept frequency ratio of 5 to 1, at a peak acceleration greater than 4 g for a total period in excess of 200 hours.  
(3) Those designed to withstand acceleration of short duration (shock) greater than 1,000 g;
- (d) Valves constructed with ceramic envelopes and designed for frequencies in excess of 60 megacycles per second;
- (e) Valves designed for operation in ambient temperatures exceeding 100°C.;
- (f) Klystrons;
- (g) Travelling wave tubes."

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